

SODIUM BICHROMATE

REVISION OF: 04/28/86

MCDONNELL DOUGLAS AIRCRAFT

ORDER NO: 560W46237

2900 E. COVER RD.
LONG BEACH CA 90846

MCKESSON CHEMICAL COMPANY ONE POST STREET SAN FRANCISCO, CA 94104

-----EMERGENCY ASSISTANCE-----

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL CHEMTREC
(800) 424-9300.

-----FOR PRODUCT AND SALES INFORMATION-----

CONTACT YOUR LOCAL MCKESSON CHEMICAL COMPANY SERVICE CENTER

-----PRODUCT IDENTIFICATION-----

PRODUCT NAME: SODIUM BICHROMATE
COMMON NAMES/SYNONYMS: SODIUM
DICHROMATE; SODIUM DICHROMATE DIHYDRATECAS NO.: 10588-01-9
MCKESSON CODE: T1131FORMULA: NA2 CR2 O7 2H2O
HAZARD RATING (NEPA 704)HEALTH: 3
FIRE: 0
REACTIVITY: 1
SPECIAL: OXYDATE ISSUED: 04/86
SUPERCEDES: NONE
HAZARD RATING SCALE:
0=MINIMAL 3=SERIOUS
1=SLIGHT 4=SEVERE
2=MODERATE

-----HAZARDOUS INGREDIENTS-----

EXPOSURE LIMITS, MG/M3

COMPONENT	%	PEL	TLV	OTHER	HAZARD
SODIUM DICHROMATE DIHYDRATE	>99	0.1	0.05	NONE	TOXIC; OXIDIZER
	(AS CR2O7)	(AS CR)			

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-----PHYSICAL PROPERTIES-----

BOILING POINT, DEG F: N/A VAPOR PRESSURE, MM HG/20 DEG C: N/A
MELTING POINT, DEG F: 680 VAPOR DENSITY (AIR=1): N/A
SPECIFIC GRAVITY (WATER=1): 2.35 WATER SOLUBILITY, %: 73
APPEARANCE AND ODOR: ORANGE EVAPORATION RATE (BUTYL ACETATE=1): N/A
RED CRYSTALS; NO ODOR

-----FIRST AID MEASURES-----

IF INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF SKIN CONTACT: IMMEDIATELY FLUSH SKIN WITH LOTS OF RUNNING WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE. GET IMMEDIATE MEDICAL ATTENTION.

IF SWALLOWED: IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND STICKING A FINGER DOWN THE THROAT. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

-----HEALTH HAZARD INFORMATION-----

PRIMARY ROUTES OF EXPOSURE: SKIN OR EYE CONTACT

SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: INHALATION OF DUST OR MIST MAY IRRITATE THE NASAL SEPTUM AND RESPIRATORY TRACT. PROLONGED OR REPEATED EXPOSURE MAY CAUSE ULCERATION AND PERFORATION OF THE NASAL SEPTUM.

EYE CONTACT: DUSTS WILL IRRITATE THE EYES AND PROLONGED CONTACT MAY PERMANENTLY DAMAGE THE EYES.

SKIN CONTACT: CONTACT WITH BROKEN SKIN MAY LEAD TO FORMATION OF FIRMLY MARGINATED "CHROME SORES". MASSIVE OVEREXPOSURE TO SOLUTIONS MAY ABSORB MATERIAL THROUGH THE SKIN WHICH COULD LEAD TO KIDNEY FAILURE AND DEATH.

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SWALLOWED: CAN CAUSE SEVERE TISSUE DESTRUCTION. KIDNEY FAILURE MAY FOLLOW AND RESULT IN DEATH.

CHRONIC EFFECTS OF EXPOSURE: PROLONGED OR REPEATED EYE CONTACT MAY CAUSE CONJUNCTIVITIS. PROLONGED OR REPEATED SKIN CONTACT, ESPECIALLY WITH BROKEN SKIN, MAY CAUSE "CHROME SORES". PROLONGED OR REPEATED BREATHING OF DUST OR MISTS MAY ULCERATE AND PERFORATE THE NASAL SEPTUM.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.

-----TOXICITY DATA-----

ORAL: RAT LD50 = 50 MG/KG

DERMAL: GUINEA PIG LDLO = 335 MG/KG

INHALATION: NO DATA FOUND.

CARCINOGENICITY: CHROMIUM AND CERTAIN UNSPECIFIED CHROMIUM COMPOUNDS ARE LISTED AS POTENTIAL HUMAN CARCINOGENS BY NTP AND IARC. THE NIOSH CRITERIA DOCUMENT FOR HEXAVALENT CHROMIUM COMPOUNDS (CR VI) RECOMMENDS THAT ALL CR (VI) COMPOUNDS BE CONSIDERED SUSPECT CARCINOGENS EXCEPT CHROMIC ACID AND CERTAIN OF ITS SALTS. NEVERTHELESS, SOME INVESTIGATORS BELIEVE THAT THESE SOLUBLE CR (VI) COMPOUNDS MAY PRESENT A CARCINOGENIC RISK UNDER SPECIAL CIRCUMSTANCES.

OTHER DATA: CHROMIUM (VI) COMPOUNDS IN THE FORM OF CHROMATES AND DI-CHROMATES HAVE BEEN FOUND TO BE MUTAGENIC IN BACTERIAL AND MAMMALIAN CELLS, INCLUDING THOSE OF THE CHINESE HAMSTER.

-----PERSONAL PROTECTION-----

VENTILATION: LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MAINTAINING DUST EMISSIONS AT THE POINT OF USE BELOW THE PEL.

RESPIRATORY PROTECTION: NIOSH-APPROVED RESPIRATOR IN ADDITION TO ADEQUATE ENVIRONMENTAL CONTROLS AT THE POINT OF USE.

EYE PROTECTION: CHEMICAL GOGGLES AND FULL FACE SHIELD.

PROTECTIVE CLOTHING: LONG-SLEEVED SHIRT, TROUSERS, RUBBER SHOES, RUBBER

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GLOVES, AND RUBBER APRON.

OTHER PROTECTIVE MEASURES: AN EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

-----FIRE AND EXPLOSION INFORMATION-----

FLASH POINT, DEG F: NONE

FLAMMABLE LIMITS IN AIR, %

METHOD USED: N/A

LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CHEMICAL OR CO2.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND COMPLETE PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES EXPOSED TO FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: OXIDIZER. AVOID CONTACT WITH ORGANIC MATERIALS.

-----HAZARDOUS REACTIVITY-----

STABILITY: STABLE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

MATERIALS TO AVOID: AVOID CONTACT WITH ORGANIC MATERIALS, OILS, GREASES AND OXIDIZING OR REDUCING MATERIALS. THIS PRODUCT IS A MILD OXIDIZER IN SOLUTION BUT A STRONG OXIDIZER IN HIGHLY ACIDIC SOLUTIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

-----SPILL, LEAK, AND DISPOSAL PROCEDURES-----

ACTION TO TAKE FOR SPILLS OR LEAKS: WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS, RUBBER GLOVES, RUBBER APRON, CHEMICAL GOGGLES, AND APPROPRIATE RESPIRATORY PROTECTION. FOR SMALL SPILLS, SWEEP UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS, SHOVEL INTO DOT-APPROVED WASTE CONTAINERS. NEVER FLUSH OR SWEEP SPILLS INTO SEWER OR STORM DRAINS. KEEP OUT OF SURFACE WATERS AND SOIL. COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILL REPORTING, AND HANDLING AND DISPOSAL OF WASTE.

DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL.

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CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES, GASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

-----SPECIAL PRECAUTIONS-----

STORAGE AND HANDLING PRECAUTIONS: STORE IN A COOL, DRY PLACE. STORE AWAY FROM ALL OTHER CHEMICALS AND POTENTIAL SOURCES OF CONTAMINATION. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT USE PRESSURE TO EMPTY CONTAINER. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

REPAIR AND MAINTENANCE PRECAUTIONS: DO NOT CUT, GRIND, WELD, OR DRILL ON OR NEAR THIS CONTAINER.

OTHER PRECAUTIONS: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

-----FOR ADDITIONAL INFORMATION-----

CONTACT DOUGLAS EISNER, TECHNICAL DIRECTOR, MCKESSON CHEMICAL COMPANY
DURING BUSINESS HOURS, PACIFIC TIME (415)983-9214

-----NOTICE-----

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